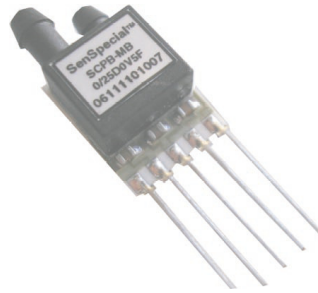


SensDev UG

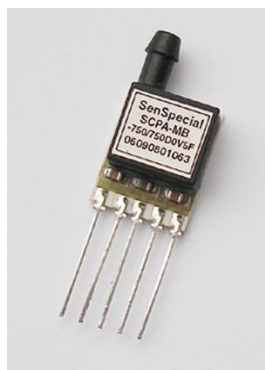
SensDev UG, based in Burgstaedt, Germany, is a Silicon Pressure Sensor supplier. Ranges are 50Pa to 4MPa, 10 μ L/s to 1000m³/h. Applications include Medical respirators & inhalers, Automation Systems and Test Equipments.

Silicon Pressure Sensor Product Range



The SCPB Series of amplified pressure sensors use state of the art silicon micro machined (MEMS) pressure sensors in conjunction with stress free packaging techniques to provide cost effective temperature compensated pressure sensors and highly reliable precision signal conditioning using state of the art 600nm semiconductor technology. The general design is for use with non corrosive, non ionic pressure media. Several gases especially in medical applications can be allowed on request. The SCPB-sensor F-Type provides an internal voltage referenced output of 0 to 10V, 0 to 5V or individual calibrated Voltage. The F-Type works within a wide supply voltage range of 7V to 40V. SCPB-R-Types are designed for low supply voltages of 2.7 to 5.5V and deliver a ratiometric output signal. The standard range is 0 to +VS but individual calibration ranges are available. The SCPB I2C communicates as a slave digitally via an I2C-bus interface and delivers (within less than 1ms) continuously serial 15bit pressure data after powering up the sensor. It answers on I2C-bus Master requests. Slave addresses are individually programmable.

The SCPA-V-sensors provide an internal voltage referenced 0 to 5V, 0.2 to 4.9V or individual calibrated Voltage output. The unstabilised supply voltage for the SCPA-F ranges from 9V to 24V. The offset is precisely adjusted and needs no external potentiometer. SCPA-R works with 5V +/-10% Supply and delivers a ratiometric output signal. The standard output is 0.2 to 4.9V but individual calibration ranges can be provided.



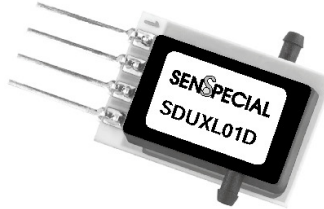
The SenSpecial™ SCPE (0 to 14 bar) general design is for use with non corrosive, non ionic pressure media. For automotive applications (-40 to 125C) the signal conditioning ASIC has certified approvals. The SCPE-Sensors provide an internal voltage referenced 0 to 5V, 0.1 to 4.9V or individual calibrated Voltage output. The unstabilised supply voltage for the SCPE-Type F ranges from 7V to 40V. The offset is precisely adjusted and needs no external potentiometer. The SCPE-Type R works with a 5V +/-10% supply and delivers an internal referenced output signal. The standard output is .. 4.9V but individual calibration ranges can be provided. The SCPE's I2C has an I2C-bus Two Wire Interface (TWI) and delivers continuous serial 15bit resolution data from power on or waits as a slave for an I2C Master's request.



The SCPX-series (-45 to 125C) of piezoresistive pressure sensors use state of the art silicon MEMs chips mounted on ceramic and protected with a plastic lid. A choice of polyamide housings assist to find the best solution for assembling and equipment design. The SCPX series is designed for the lowest cost and smallest outline. The standard SCPX has a plastic lid for OEM applications; for applications requiring applying pressure via a plastic pipe the SCPX - F is available. The general design is for use with non corrosive, non ionic pressure media. Several gases especially in medical applications can be released if needed. SILGEL coating or other protection methods are available on request.



The SXPX series(-45 to 125C) of piezoresistive pressure sensors use state of the art silicon MEMs chips mounted on a ceramic and protected with a plastic lid. The SXPX series offers a complete covered nylon housing. Several tube versions for easy pressure fittings are available. The general design is for use with non corrosive, non ionic pressure media. Several gases especially in medical applications can be released if needed. SILGEL coating or other protection methods are available on request. Pulsed supply is possible at settling times of some microseconds. Also the response time of <100 s allows the use at fast pneumatic control systems as well as at medical equipment.



Ultra-Low Pressure ranges (100Pa to 7.5kPa) and position independence are the key features of the PascalPrecision™ - technology. A superior output linearity combined with significantly reduced temperature effects makes it ideal for applications where high precision gage or differential measurement are required. All types in the PascalPrecision™ - Series are based on this technology. Several housing types are available. The PascalPrecision line of ultra-low pressure sensors is based upon a proprietary technology designed to reduce all output offset or common mode errors. The Model SDUXL provides millivolt output with improved linearity Offset errors due to changes in temperature, warm-up, long term stability and position sensitivity are all significantly reduced by a dynamic self compensated technology, when compared to conventional compensation methods. In addition the sensors utilize a silicon micro machined, stress free mounted structure to provide a very linear output to applied pressure. The small outline makes the SDUXL ideal for designing compact portable equipments.

Broadband Technology 2000 Ltd Product Areas

<p>EMBEDDED ICs</p> <ul style="list-style-type: none"> • VoIP & Video DSPs • Ethernet NPU & NPA • Mixed Signal ICs <p>SENSOR ICs</p> <ul style="list-style-type: none"> • Accelerometers • Gyroscopes • Magnetic Sensors • Pressure Sensors 	<p>WIRELESS</p> <ul style="list-style-type: none"> • Telematic Platforms • GSM GPRS & 3G Modems • 3G Routers • 3G Dongles • Gateways • Tracking Units • WiMAX Modems & Controllers 	<p>RF & MICROWAVE</p> <ul style="list-style-type: none"> • Attenuators • Power AMPS • Antennas • GPS Modules 	<p>POWER MANAGEMENT</p> <ul style="list-style-type: none"> • Battery Charge ICs • Hot Swap Controllers • Power Supply Sequencers • Super capacitors
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Broadband Technology 2000 Limited
Phone: +44 1189 324600 Fax: +44 1189 730571
Email: sales@bt2000.co.uk Website: www.bt2000.co.uk

